Docket No.

247301US2S

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Akira UMEZAWA

SERIAL NO: New Application

GAU:

FILED:

Herewith

EXAMINER:

FOR:

NONVOLATILE SEMICONDUCTOR MEMORY DEVICE WITH MOS TRANSISTORS EACH HAVING A

FLOATING GATE AND A CONTROL GATE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Marvin J. Spivak

Registration No. 24,913

C. Irvin McClelland Registration Number 21,124

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DOCKET NO: 247301US2S

Sheet <u>1</u> of <u>1</u>

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FOR: NONVOLATILE SEMICONDUCTOR MEMORY DEVICE WITH MOS TRANSISTORS EACH HAVING A FLOATING GATE AND A CONTROL GATE

STATEMENT OF RELEVANCY

Reference AA (US 6,373,749) on Form PTO- 1449:

Word lines and cell substrate are connected after adequate threshold voltage of flash memory cells is reduced. This patent is proposed for channel FN Erasing scheme, but not for FN. Programming with negative bias scheme.

Reference AB (US 6,222,774) on Form PTO- 1449:

NOR type flash memory using channel FN Erase involves having control of both negative and positive voltages.

| Form PTO 1449 | | U.S. DEPARTMENT | OF COMMERCE | ATTY DOCKET NO. | | SERIAL NO. | | | |
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| (Modified) | PATENT AND TRADEMARK OFFICE | | | 247301US2S | | New Application | | | |
| | | | | APPLICANT | | | | | |
| LIST OF REFERENCES CITED BY APPLICANT | | | | Akira UMEZAWA | | | | | |
| | | | | FILING DATE | | GROUP | | | |
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| | | | | U.S. PATENT DOCUMENTS | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | CLASS SUB FILING DATE IF APPROPRIATE | | | |
| | AA | 6,373,749 | 04/16/02 | Shigeru ATSUMI, et al. | | | | | |
| | AB | 6,222,774 | 04/24/01 | Toru TANZAWA, et al. | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | | | |
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| Examiner | | | | | Date Considered | | | | |
| *Examiner: In | nitial if | reference is considered | , whether or no | t citation is in conformance with MPEP 60 | 09; Draw li | ne through | citation | if not in | |
| conformance | and n | ot considered. Include (| copy of this forn | with next communication to applicant. | | | | | |